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Prodn. of polyester having low cyclic oligomer content - by heating solid polyester in the presence of water, e.g. by contact with steam

Patent Assignee: TEIJIN LTD (TEIJ)

Number of Countries: 001 Number of Patents: 001

Patent Family:

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Abstract (Basic): JP 56118420 A

Prodn. of polyester comprises heating the polyester in a solid phase in the presence of water, pref. at 140 deg.C to the m.pt. of the polyester, to effect partial hydrolysis.

Pref. prodn. of polyester having cyclic oligomer content of less than 1% and an intrinsic viscosity of at least 0.1 comprises heating polyester of intrinsic viscosity of at least 0.3 at 160-230 deg.C in the presence of water to effect partial hydrolysis. Pref. polyester before the hydrolysis has intrinsic viscosity (in o-chlorophenol, at 35 deg.C) 0.3-1.0. The hydrolysis can be accomplished by contacting crystallised polyester with steam in the co-presence of an inert gas (e.g. nitrogen) and solvent.

Derwent Class: A23

International Patent Class (Additional): C08G-063/70